

## ABSTRACT

Artificial polyester hair, which retains fiber physical properties of general polyester fibers such as heat resistance and a degree of strength and elongation, are excellent in the setting property, transparency and touch feeling, and has excellent flame retardancy, is provided. The flame retardant artificial polyester hair, which retains fiber properties such as heat resistance and a degree of strength and elongation and is excellent in suitability for setting, transparency and touch feeling, is characterized by being obtained by melt-spinning a composition obtained by melt-kneading a polyester together with a bromine-containing flame retardant, the bromine-containing flame retardant having a melting point of 160 to 320°C and a 5 % loss on heat temperature of 220 to 450 °C or the bromine-containing flame retardant being a mixture of a bromine-containing flame retardant (b1) having a 5 % loss on heat temperature of 220 to 310°C and a bromine-containing flame retardant (b2) having a having 5 % loss on heat temperature of at least 310°C.